WHAT IS CLAIMED IS:

1		1.	A method for generating a page, the method comprising:				
2		determ	ining a data source specification and a layout specification for the page,				
3	the data source	lata source specification and layout specification being declaratively specified by a user,					
4	the data source	the data source specification including access information for a data source;					
5		retriev	ing data for the data source based on the data source specification and				
6	the access info	the access information;					
7		determining a layout for the data based on the layout specification; and					
8		generating the page using the data and the determined layout.					
1		2.	The method of claim 1, wherein the data source specification				
2	comprises a da	comprises a data type for the data source.					
1		3.	The method of claim 2, wherein the data type comprises at least one of				
2	a spreadsheet o	eadsheet data type, XML data type, SQL data type, web service data type, and a web					
3	page data type.						
1		4.	The method of claim 1, wherein the access information comprises a				
2	path to the data	a sourc	e.				
1		5.	The method of claim 4, wherein the path comprises a URL.				
1		6.	The method of claim 1, wherein the data source specification				
2	comprises a filtering specification that filters data retrieved from the data source.						
1		7.	The method of claim 1, wherein the layout specification comprises at				
2	least one of a	tabular	layout, chart layout, news layout, form layout, and bullet layout.				
1		8.	The method of claim 1, wherein determining the layout comprises				
2	formatting the retrieved data into the layout.						
1		9.	The method of claim 1, wherein the page comprises a web-based page.				
1		10.	The method of claim 1, wherein the page comprises a portlet.				
1		11.	A method for generating a graphical user interface (GUI), the method				
2	comprising:						

4	access information for a data source;				
5	determining a declarative specification for the data source;				
6	retrieving data for the data source using the access information;				
7	providing a layout interface that enables the user to declaratively specify a				
8	layout for the determined data;				
9	determining a layout specification for the determined data; and				
10	generating a graphical user interface based on the declarative specification for				
11	the data source and the layout specification for the determined data.				
1	12. The method of claim 11, wherein the data source interface comprises				
2	one or more data types that enables a user to specify a data type for the data source.				
1	13. The method of claim 12, wherein the one or more data types comprise				
2	at least one of a spreadsheet data type, XML data type, SQL data type, web service data type,				
3	and a web page data type.				
1	14. The method of claim 12, wherein determining the data comprises using				
2	the specified data type and the access information to retrieve the data for the specified data				
3	source.				
1	15. The method of claim 11, wherein the access information comprises a				
2	URL.				
1	16. The method of claim 11, further comprising providing a filtering				
2	interface including filtering options for the retrieved data that enables a user to declaratively				
3	specify which data to use in the generated GUI.				
1	17. The method of claim 11, wherein the layout interface comprises one or				
2	more layout options that enables the user to declaratively specify a layout type.				
1	18. The method of claim 17, wherein the layout type comprises at least one				
2	of a tabular layout, chart layout, news layout, form layout, and bullet layout.				
1	19. The method of claim 17, further comprising providing a layout type				
2	interface that enables the user to specify how the retrieved data should be laid out in the GUI				
3	using the specified layout type.				

providing a data source interface that enables a user to declaratively specify

1		20.	The method of claim 11, wherein the data source interface does not		
2	include the access information for the data source before it is declaratively specified by the				
3	user.				
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		21.	The method of claim 11, wherein the GUI comprises a web-based		
2	page.				
1		22.	The method of claim 11, wherein the GUI comprises a portlet.		
1		23.	A method for declaratively generating a page using an interface, the		
2	method comp	orising:			
3		receiving a declarative specification of access information for a data source,			
4	wherein the access information is input by a user;				
5	•	retrieving data using the access information for the data source;			
6		determining layout information for data from the data source; and			
7		gener	ating a page using the retrieved data and the layout information.		
1		24.	The method of claim 23, wherein the declarative specification		
2	comprises a specification of a data type for the data source.				
1		25.	The method of claim 23, wherein the access information comprises a		
2	path to the data source.				
1		26.	The method of claim 25, wherein the path comprises a URL.		
1		27.	The method of claim 23, wherein the declarative specification		
2	comprises a f	iltering	specification that filters data retrieved from the data source.		
1		28.	The method of claim 23, wherein the page comprises a web-based		
2	page.		,		
1		29.	The method of claim 23, wherein the page comprises a portlet.		
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